

L16 36 (envelope spectrum bark cochlea\$4 critical adj2 band) near2 (vad (speech voic\$4 talk\$4 spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articul\$9 or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) near2 (activit\$4 detect\$7)) and ((distort\$4 degrad\$7 objection\$7 artifact\$1) near2 (speech\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or articul\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6)) 2007/07/23 12:33 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB
BRS

L17 31 (vad (speech voic\$4 talk\$4 spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articul\$9 or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) near2 (activit\$4 detect\$7)) and (hollier\$) 2007/07/23 12:51 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB BRS

L18 47 (vad (speech voic\$4 talk\$4 spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articul\$9 or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) near2 (activit\$4 detect\$7)) and ((mos subjective perceptive perceiv\$7) near2 (objectiv\$7)) and (distort\$4 degrad\$7 objection\$7 artifact\$1) near2 (speech\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or articul\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6)) 2007/07/23 13:31 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB
BRS

L19 74 (vad (speech voic\$4 talk\$4 spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articul\$9 or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) near2 (activit\$4 detect\$7)) and ((mos subjective perceptive perceiv\$7) near2 (objectiv\$7)) and (distort\$4 degrad\$7 objection\$7 artifact\$1) 2007/07/23 13:33 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB BRS

L20 3 (vad (speech voic\$4 talk\$4 spoken or locut\$9 or vocal\$9 or sing or singi\$9 or articul\$9 or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) near2 (activit\$4 detect\$7)).clm,ti. and ((mos subjective perceptive perceiv\$7) and (objectiv\$7)).clm,ti. and (distort\$4 degrad\$7 objection\$7 artifact\$1).clm,ti. 2007/07/23 13:39 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB
BRS